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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/723,797	11/25/2003		Toshio Okamura	03698/LH	03698/LH 9087	
1933	7590	03/25/2005		EXAM	EXAMINER	
FRISHAUI 767 THIRD	•	Z, GOODMAN &	TSUKERMAI	TSUKERMAN, LARISA Z		
25TH FLOOR NEW YORK, NY 10017-2023				ART UNIT	PAPER NUMBER	
				2833		

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Comment	10/723,797	OKAMURA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Larisa Z. Tsukerman	2833	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on <u>amentation</u> This action is FINAL. Since this application is in condition for allowant closed in accordance with the practice under Exercise. 	action is non-final. ce except for formal matters, pro		
Disposition of Claims			
4) ☐ Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or			
Application Papers		•	
9) ☐ The specification is objected to by the Examiner 10) ☑ The drawing(s) filed on 25 November 2003 is/ar Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Examiner	re: a)⊠ accepted or b)⊡ objector frawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/15/CV	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Draftsperson's Patent (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da 5)	te	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Finke (US20020019161).

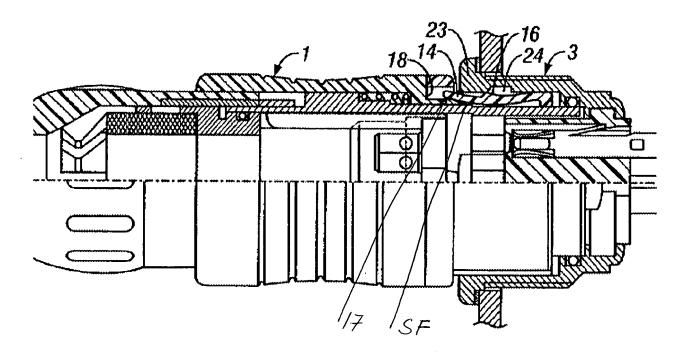
In regard to claim 1, as best understood, Finke discloses a connector 1 for being connected to a mating connector 3 having a recess 24, comprising:

a housing 11,13;

a locking member 7 provided on an outer peripheral surface of the housing 11,13, the locking member 7 including a fixed portion 14,15 (see Fig. 2) fixed to the housing 11,13, an engaging portion 16 for engagement with the recess 24 of the mating connector 3, and a spring portion 14 (see Fig. 1) for urging the engaging portion 16 toward the recess 24; and

spring force-increasing means 17 and SF (see Attachment 1) for inhibiting the engaging portion 16 from moving when the spring portion 14 is bent by a predetermined quantity using the fixed portion 14,15 as a support, and causing the spring portion 14 to be bent using the engaging portion 16 (see Fig.2) as a support.

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Attachment 1

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2, 3 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Finke (US20020019161) in view of Chrysostomou (5653606).

In regard to claim 2, Finke discloses most of the claimed invention including the housing 11,13 has a hollow cylindrical shape, and has an accommodating space AS (see Attachment 1) formed therein for accommodating the spring portion 14 and the

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engaging portion 16 when the spring portion 14 is bent, the connector 1 further comprising a sliding member 8 mounted on an outer peripheral surface of the locking member 7 in a manner slidable in an axial direction of the housing However, Finke lackes the sliding member 8 having a window for permitting the engaging portion to escape therein such that the engaging portion can be engaged with the recess of the mating connector when the connector is fitted to the mating connector. Chrysostomou teaches a window 159a/159c in sliding member 159 for permitting the engaging portion 152 to escape therein such that the engaging portion 152 can be engaged with the recess 117 of the mating connector 114 when the connector 104 is fitted to the mating connector. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made and for the same reason, if needed, to include a window of Chrysostomou in structure of Finke. In regard to claim 3, the spring force - increasing means is a stepped portion SP (see

Attachment 1) formed in the housing in a manner protruding into the accommodating space AS.

In regard to claim 5, Finke discloses the spring force-increasing means SF is a ring SP which is wound around the housing in a manner opposed to the engaging portion 16 in a radial direction of the housing (see Attachment 1).

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Finke (US20020019161) in view of Chrysostomou (5653606), as applied to claim 2 above, and further in view of Yuzawa (6352444).

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Finke modified by Chrysostomou includes most of the claimed invention except for the spring force-increasing means is on a bottom surface of the engaging portion in a manner protruding into the accommodating space. Yuzawa teaches a protruding portion 29 formed on a bottom surface of the engaging portion 27 (see Fig. 3) to prevent the latch arm 22 from excessive bending. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made and for the same reason to include a protruding portion of Yuzawa in structure of Finke.

Response to Arguments

Applicant's arguments filed 01/11/05 have been fully considered but they are not persuasive.

In response to Applicant's arguments that in the sliding support 17 supports the free ends of the latch flanges 11 and therefore, Finke et al. do not disclose the spring force-increasing means as defined by claim 1, Examiner disagrees. Examiner considers a member 17 as a spring force - increasing means (specifically a decline surface SF on 17), spring 14 is supported by member 17 and after by member 16, and considers that the Finke's et al. structure meets the claimed limitations.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Larisa Z. Tsukerman whose telephone number is (571)-272-2015. The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571)-272-2800 ex. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ST. 03/21/2005

ROSS GUSHI PRIMARY EXAMINER

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